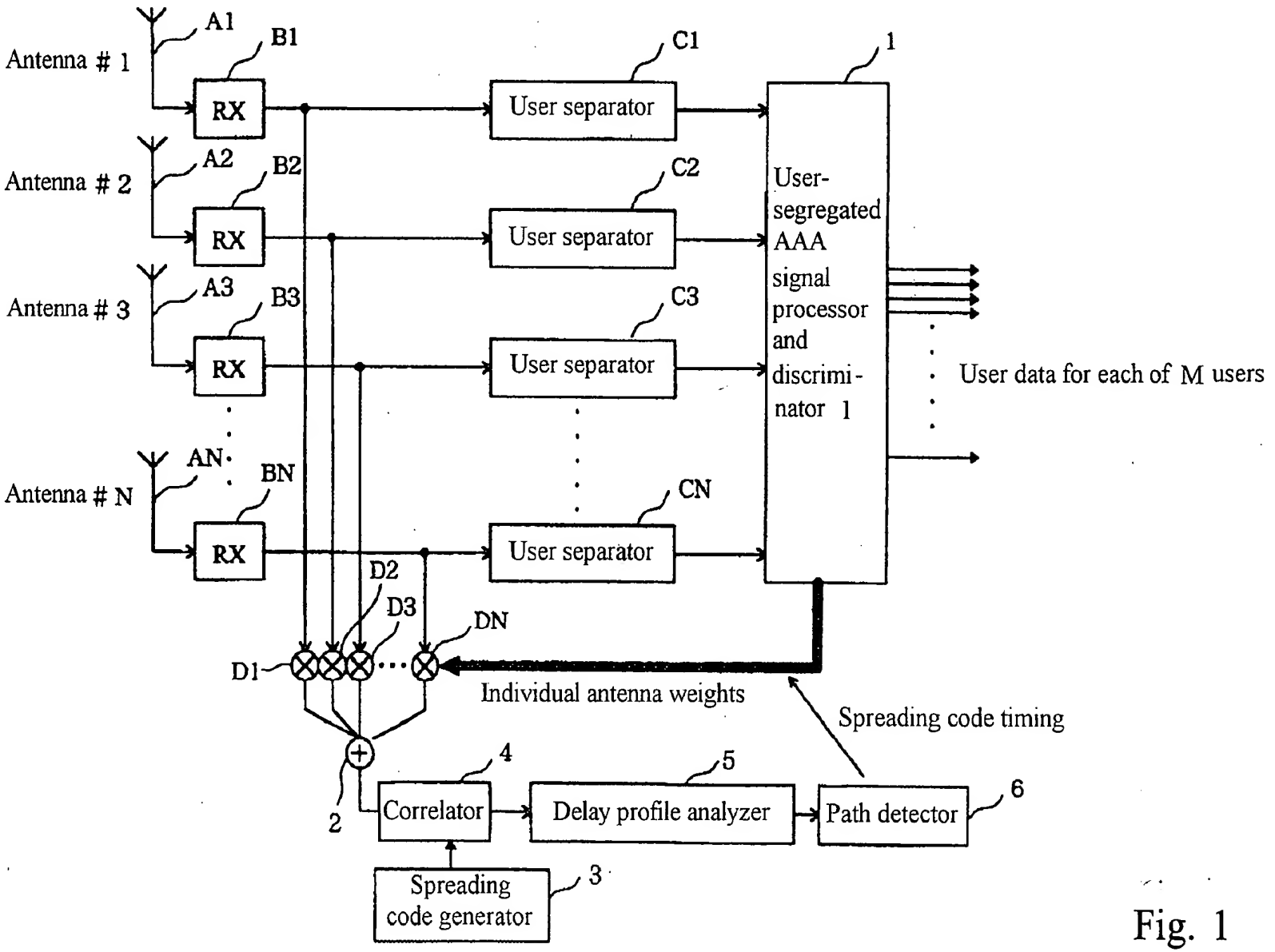

Antenna # 1
A1
B1
RX
C1
User separator
1
Antenna # 2
A2
B2
RX
C2
User separator
User-segregated AAA signal processor and discrimi-nator 1
Antenna # 3
A3
B3
RX
C3
User separator
User data for each of M users
Antenna # N
AN
BN
RX
CN
User separator
D2
D3
DN
D1
Individual antenna weights
Spreading code timing
4
5
6
2
Correlator
Delay profile analyzer
Path detector
Spreading code generator
3

Fig. 1

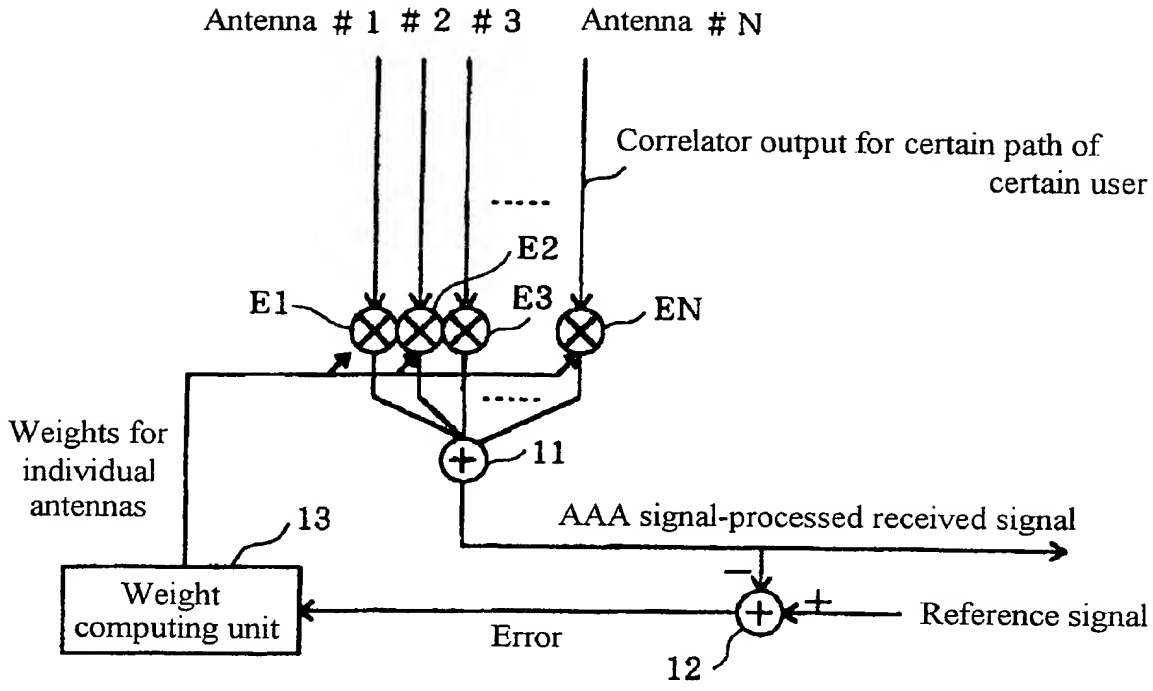
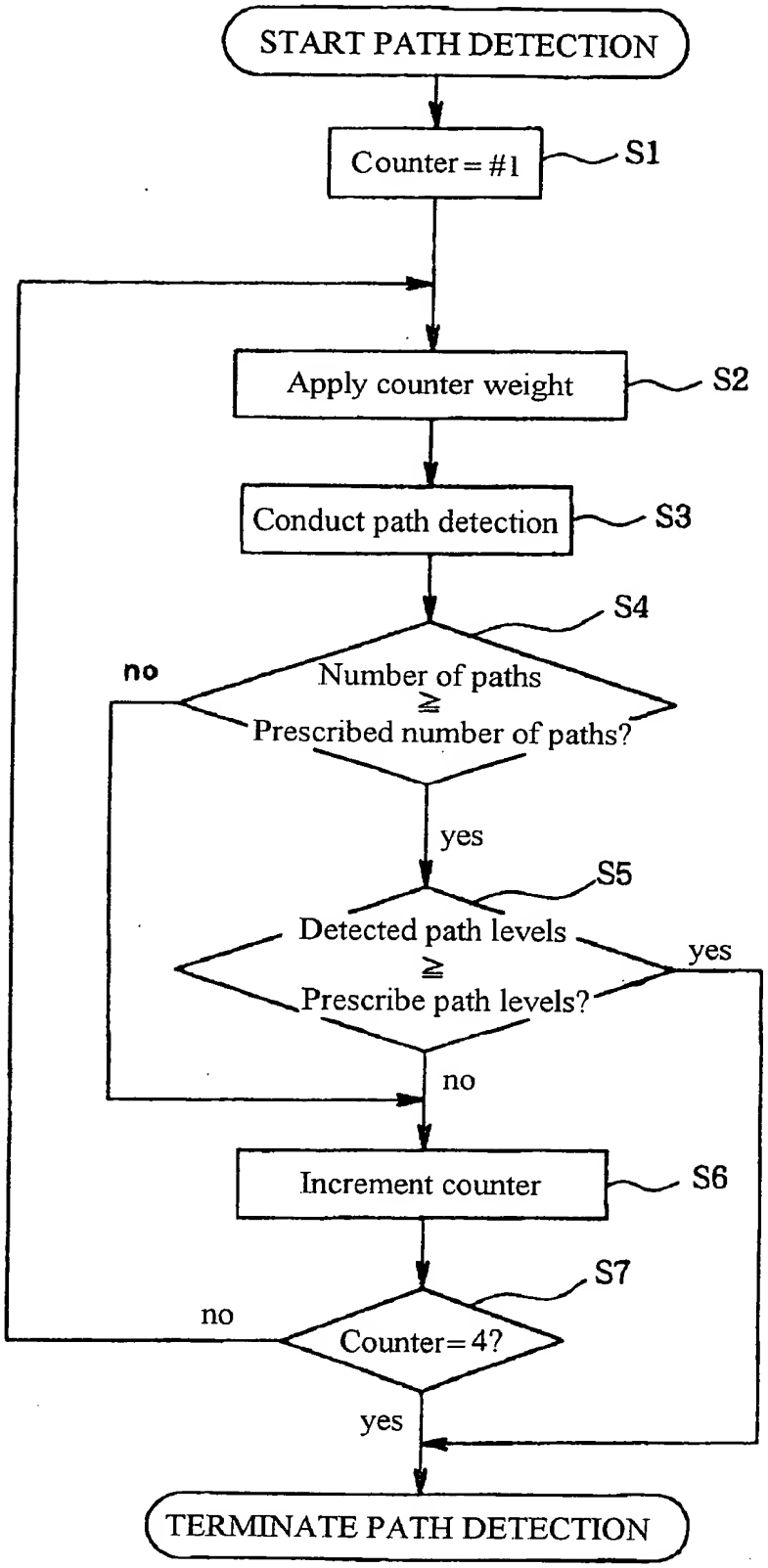


Fig. 2

EP 0 825 726 A2



#1 : Leading path weight
#2 : Highest path weight
#3 : Average path weight
#4 : Lowest path weight

Terminate path detection if number of paths and path levels sufficient

Fig. 3

TO2006265660

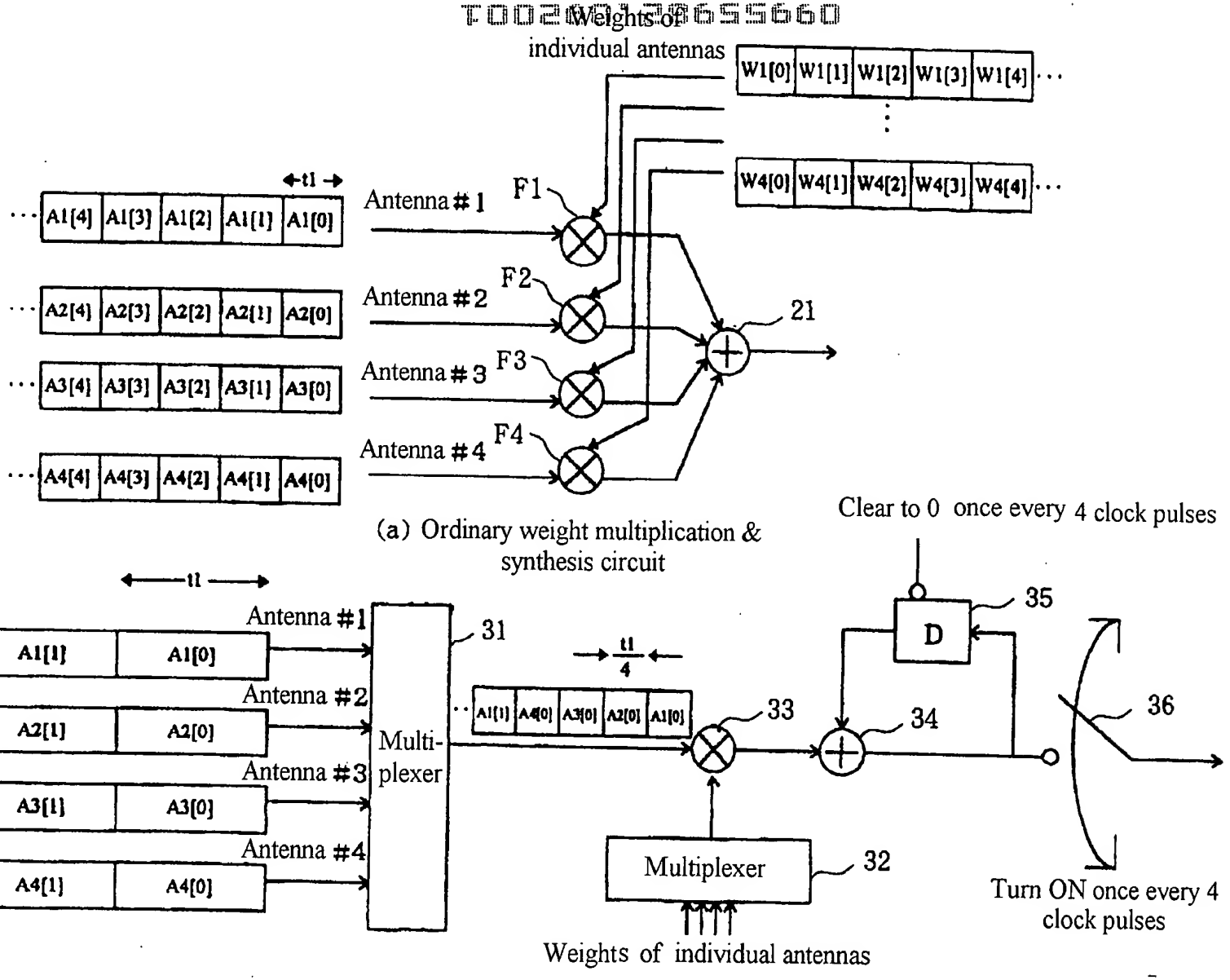


Fig. 4

T00260 28655660

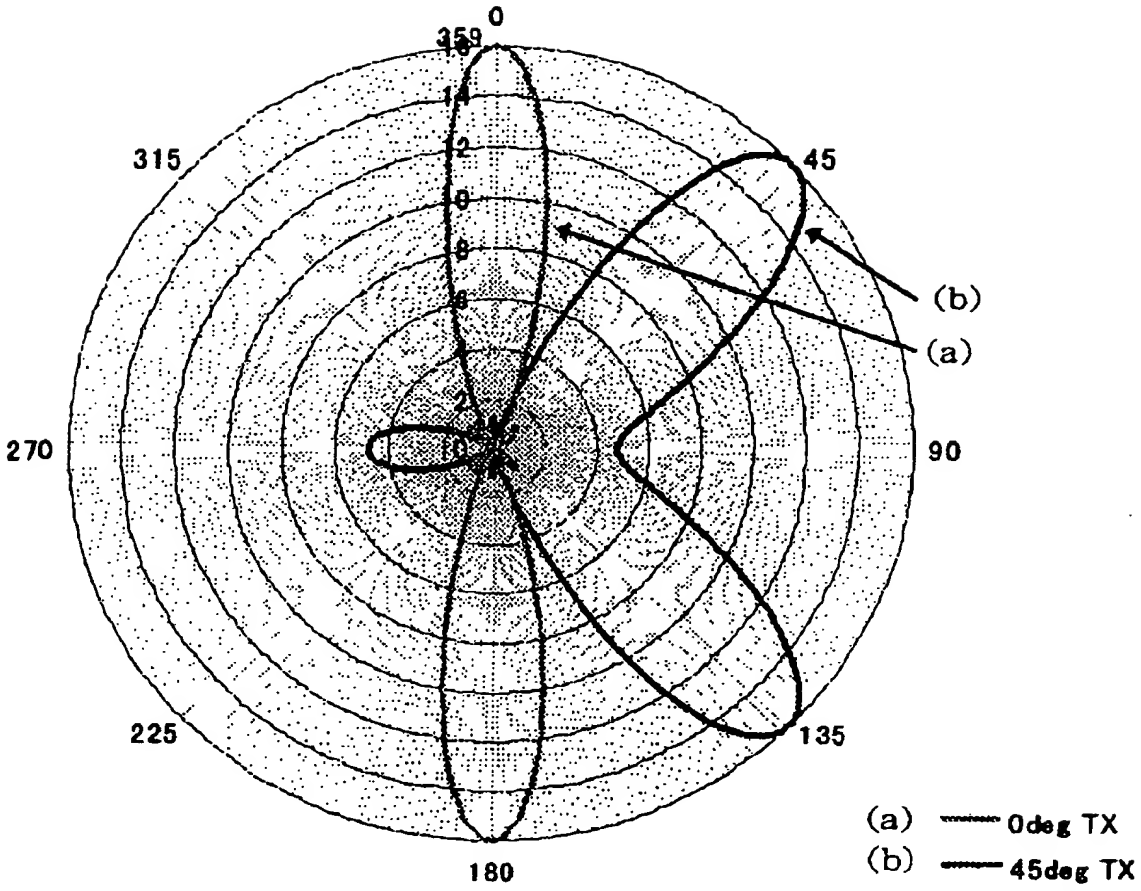


Fig. 5

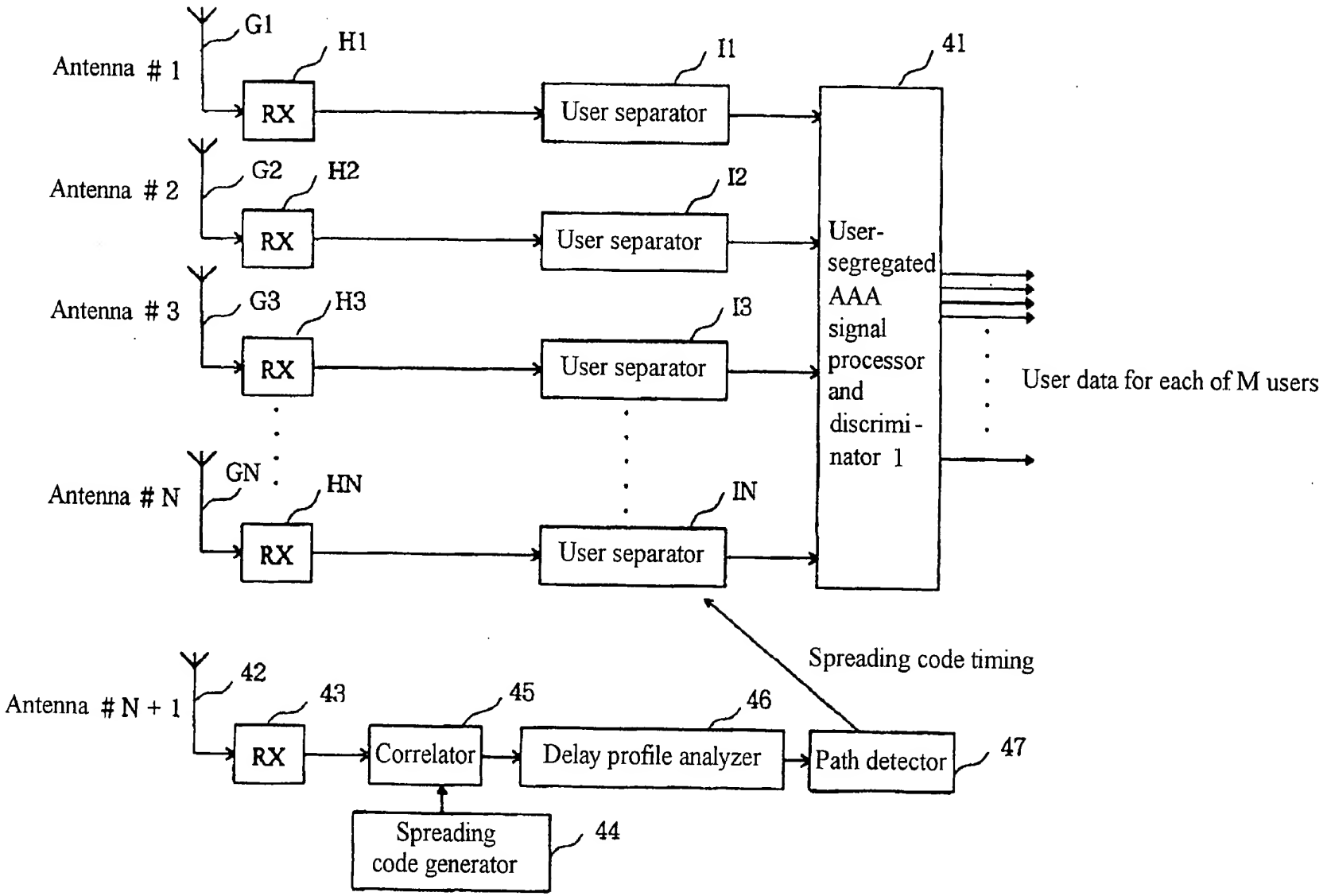

Antenna # 1
G1
H1
RX
User separator
I1
41
Antenna # 2
G2
H2
RX
User separator
I2
User-segregated AAA signal processor and discrimi-nator 1
Antenna # 3
G3
H3
RX
User separator
I3
User data for each of M users
Antenna # N
GN
HN
RX
User separator
IN
Spreading code timing
Antenna # N + 1
42
43
RX
45
Correlator
46
Delay profile analyzer
Path detector
47
Spreading code generator
44

Fig. 6

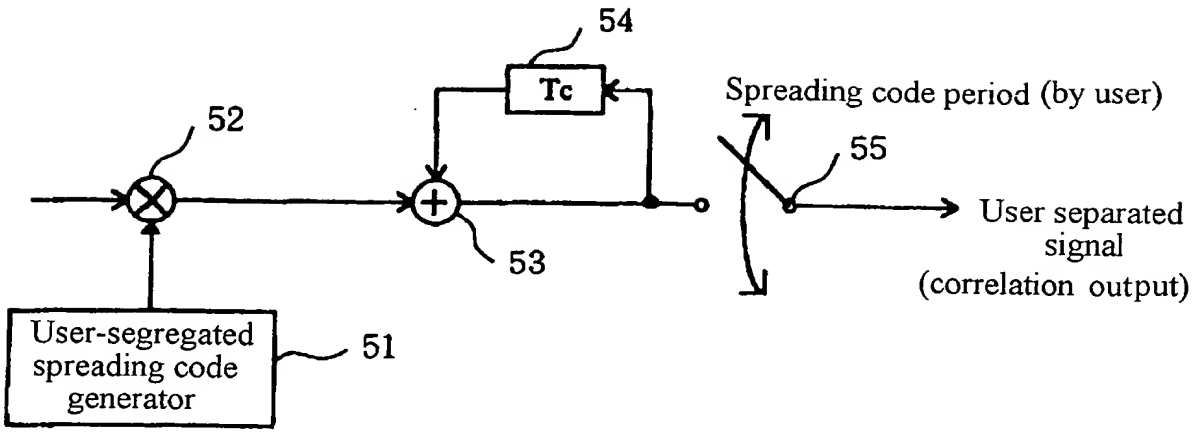


Fig. 7

JP2002-369560A

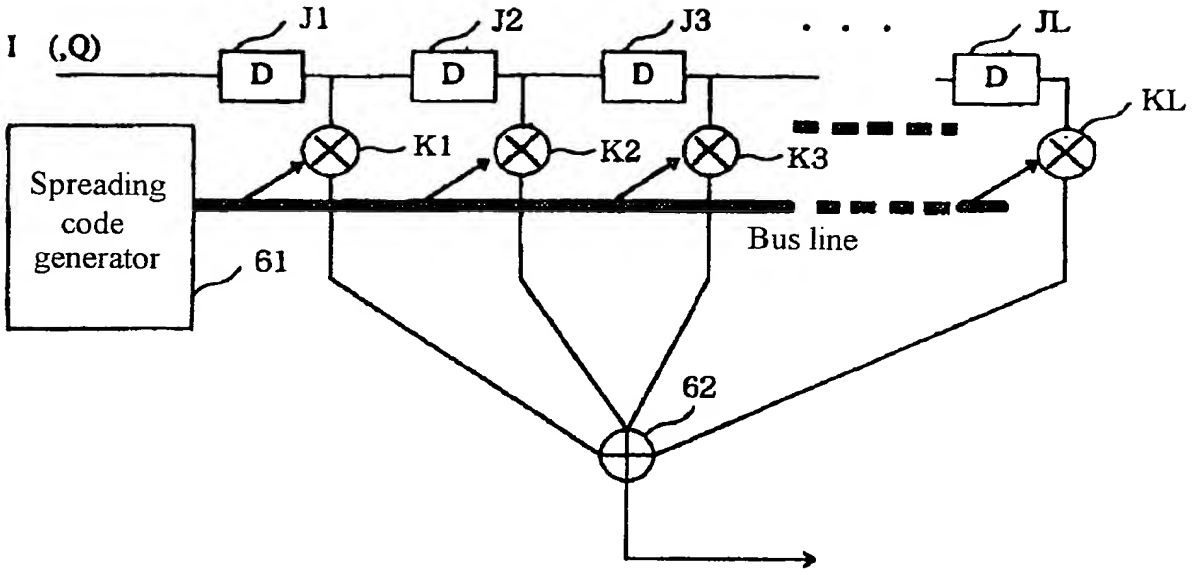


Fig. 8

EP 0 926 850 A2

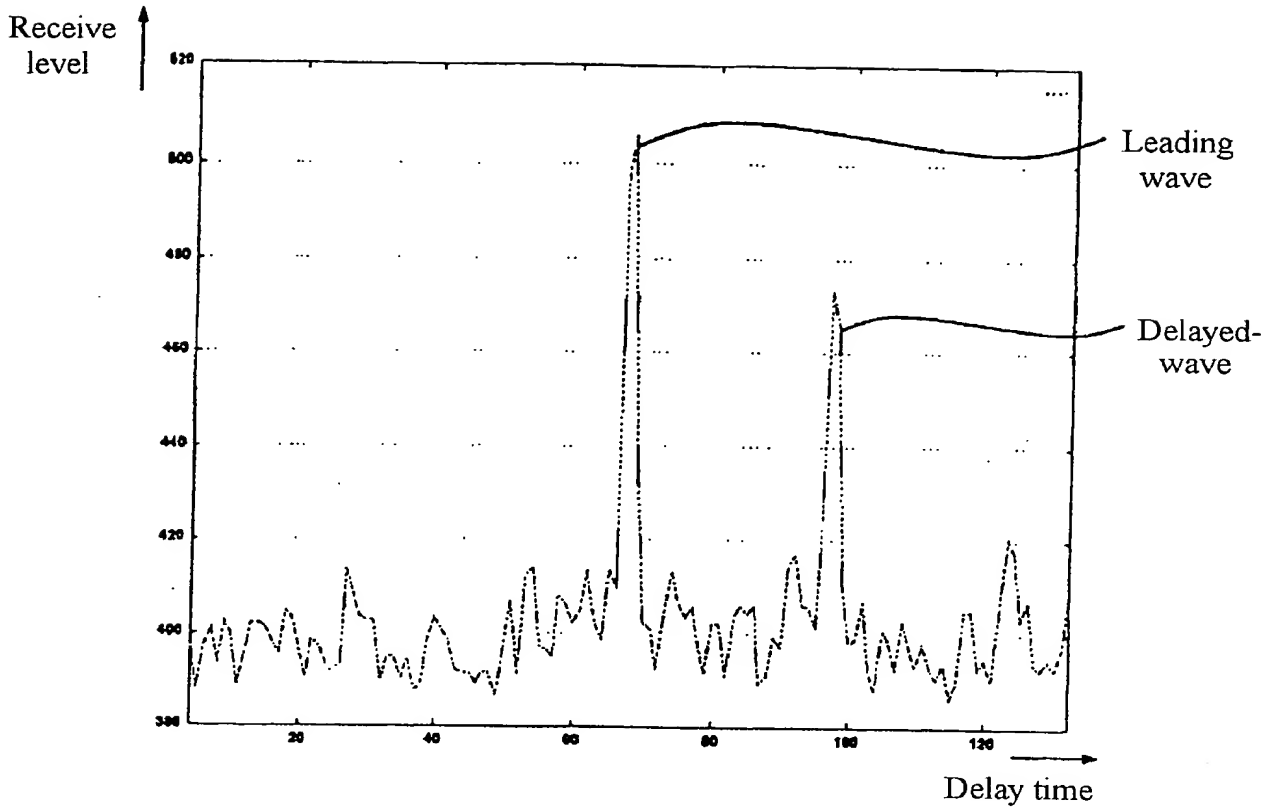


Fig. 9

JP02265560A

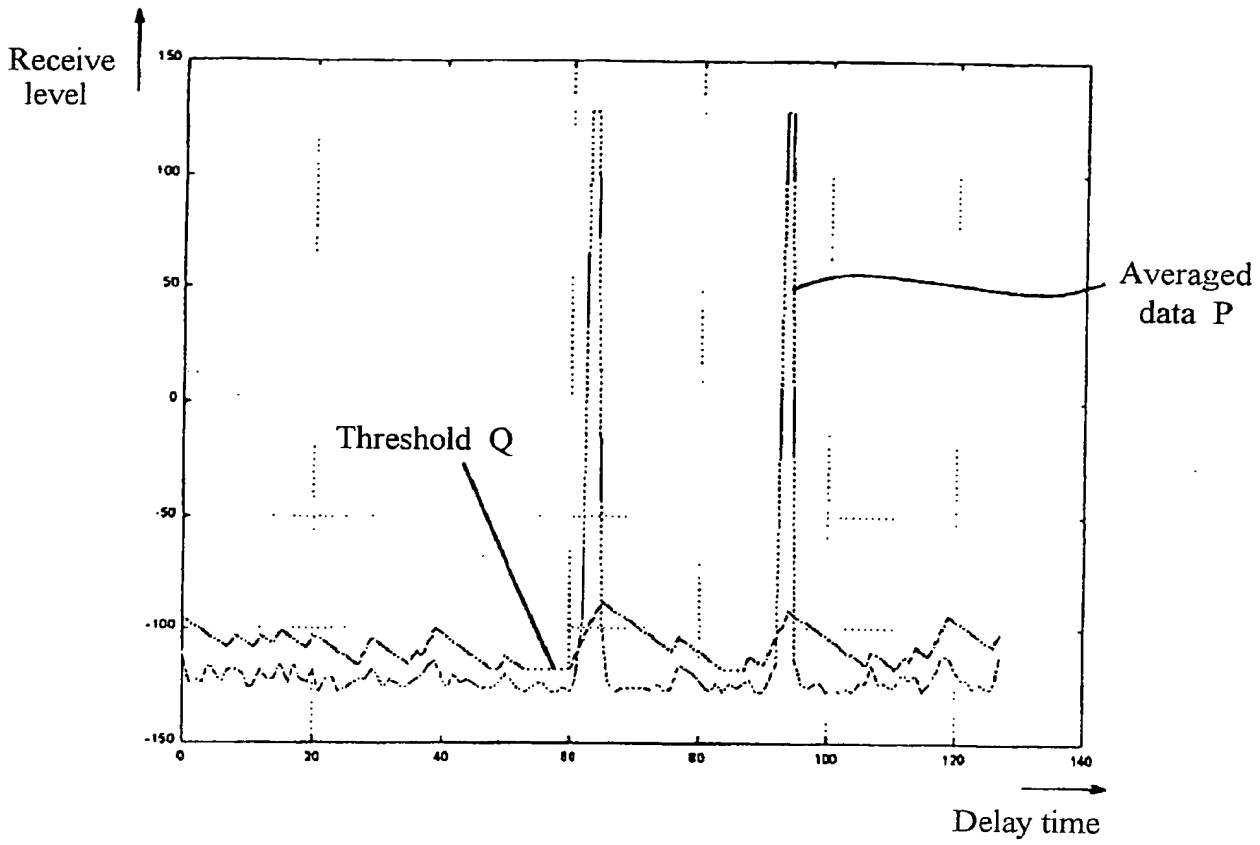

Receive level
150
100
50
0
-50
-100
-150
0
20
40
60
80
100
120
140
Threshold Q
Averaged data P
Delay time

Fig. 10